

## Laboratory Report SC43423

Gulf Oil L.P.  
281 Eastern Avenue  
Chelsea, MA 02150  
Attn: Andrew P. Adams

Project: Gulf Terminal - Chelsea, MA  
Project #: Gulf Chelsea

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.  
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110  
Connecticut # PH-0777  
Florida # E87936  
Maine # MA138  
New Hampshire # 2972/2538  
New Jersey # MA011  
New York # 11393  
Pennsylvania # 68-04426/68-02924  
Rhode Island # LAO00348  
USDA # P330-15-00375  
Vermont # VT-11393



Authorized by:  
  
Christina White  
Technical Director

*Christina A. White*

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Please note that this report contains 13 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Eurofins Spectrum Analytical, Inc.

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*Please contact the Laboratory or Technical Director at 800-789-9115 with any questions regarding the data contained in this laboratory report.*

## Sample Summary

**Work Order:** SC43423  
**Project:** Gulf Terminal - Chelsea, MA  
**Project Number:** Gulf Chelsea

<u>Laboratory ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>Date Received</u>
SC43423-01	Outfall 003	Surface Water	25-Jan-18 08:45	25-Jan-18 14:40
SC43423-02	TB-1 (Trip Blank)	Aqueous	25-Jan-18 00:00	25-Jan-18 14:40

## **CASE NARRATIVE:**

Data has been reported to the RDL. This report excludes estimated concentrations detected below the RDL and above the MDL (J-Flag).

All non-detects and all results below the reporting limit are reported as "<" (less than) the reporting limit in this report.

The samples were received 1.6 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 1.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group. If method or program required MS/MSD/Dup were not performed, sufficient sample was not provided to the laboratory.

Analyses for Total Hardness, pH, and Total Residual Chlorine fall under the state of Pennsylvania code Chapter 252.6 accreditation by rule.

### **February 8, 2018 Report Revision Case Narrative:**

This report has been revised to update the analyte list for 8270 as requested.

**See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.**

### **SW846 8260C**

#### **Calibration:**

1801070

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Analyte quantified by quadratic equation type calibration.

Naphthalene

This affected the following samples:

1801129-BLK1

1801129-BS1

1801129-BSD1

Outfall 003

S816062-ICV1

S816241-CCV1

TB-1 (Trip Blank)

### **SW846 8270D SIM**

#### **Samples:**

S816305-CCV1

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Analyte percent difference is outside individual acceptance criteria (20), but within overall method allowances.

Indeno (1,2,3-cd) pyrene (-25.2%)

This affected the following samples:

1801124-BLK1

1801124-BS1

1801124-BSD1

## Sample Acceptance Check Form

Client: Gulf Oil L.P.  
Project: Gulf Terminal - Chelsea, MA / Gulf Chelsea  
Work Order: SC43423  
Sample(s) received on: 1/25/2018

*The following outlines the condition of samples for the attached Chain of Custody upon receipt.*

	<u>Yes</u>	<u>No</u>	<u>N/A</u>
Were custody seals present?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Were custody seals intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Were samples received at a temperature of $\leq 6^{\circ}\text{C}$ ?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples refrigerated upon transfer to laboratory representative?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were sample containers received intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples properly labeled (labels affixed to sample containers and include sample ID, site location, and/or project number and the collection date)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples accompanied by a Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Does Chain of Custody document include proper, full, and complete documentation, which shall include sample ID, site location, and/or project number, date and time of collection, collector's name, preservation type, sample matrix and any special remarks concerning the sample?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did sample container labels agree with Chain of Custody document?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were samples received within method-specific holding times?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Summary of Hits

**Lab ID:** SC43423-01

**Client ID:** Outfall 003

Parameter	Result	Flag	Reporting Limit	Units	Analytical Method
Total Suspended Solids	25.8		1.2	mg/l	SM2540D (11)
Benzene	1.2		1.0	µg/l	SW846 8260C
Naphthalene	0.198		0.047	µg/l	SW846 8270D SIM

*Please note that because there are no reporting limits associated with hazardous waste characterizations or micro analyses, this summary does not include hits from these analyses if included in this work order.*

Sample Identification

Outfall 003

SC43423-01

Client Project #

Gulf Chelsea

Matrix

Surface Water

Collection Date/Time

25-Jan-18 08:45

Received

25-Jan-18

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
<b>Volatile Organic Compounds</b>													
<u>Volatile Organic Aromatics by SW846 8260</u>													
<u>Prepared by method SW846 5030 Water MS</u>													
71-43-2	Benzene	1.2		µg/l	1.0	0.3	1	SW846 8260C	26-Jan-18	30-Jan-18	GMA	1801129	
91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>													
460-00-4	4-Bromofluorobenzene	111			70-130 %			"	"	"	"	"	
2037-26-5	Toluene-d8	102			70-130 %			"	"	"	"	"	
17060-07-0	1,2-Dichloroethane-d4	99			70-130 %			"	"	"	"	"	
1868-53-7	Dibromofluoromethane	105			70-130 %			"	"	"	"	"	
<b>Semivolatile Organic Compounds by GCMS</b>													
<u>SVOCs by SIM</u>													
<u>Prepared by method SW846 3510C</u>													
50-32-8	Benzo (a) pyrene	< 0.047		µg/l	0.047	0.019	1	SW846 8270D SIM	26-Jan-18	26-Jan-18	MSL	1801124	
91-20-3	Naphthalene	0.198		µg/l	0.047	0.020	1	"	"	"	"	"	
<i>Surrogate recoveries:</i>													
205440-82-0	Benzo (e) pyrene-d12	72			30-130 %			"	"	"	"	"	
<b>Extractable Petroleum Hydrocarbons</b>													
<u>Prepared by method General Preparation SVOC</u>													
	Oil & Grease	< 1.00	OG	mg/l	1.00	0.915	1	EPA 1664B	05-Feb-18	06-Feb-18	DJS	1801626	X
<b>General Chemistry Parameters</b>													
	pH	6.63	pH	pH Units			1	ASTM D 1293-99B	25-Jan-18 17:00	25-Jan-18 17:30	BD	1801116	X
	Total Suspended Solids	25.8		mg/l	1.2	0.5	1	SM2540D (11)	26-Jan-18	30-Jan-18	CMB	1801137	X

*This laboratory report is not valid without an authorized signature on the cover page.*

Sample Identification

TB-1 (Trip Blank)

SC43423-02

Client Project #

Gulf Chelsea

Matrix

Aqueous

Collection Date/Time

25-Jan-18 00:00

Received

25-Jan-18

<i>CAS No.</i>	<i>Analyte(s)</i>	<i>Result</i>	<i>Flag</i>	<i>Units</i>	<i>*RDL</i>	<i>MDL</i>	<i>Dilution</i>	<i>Method Ref.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Analyst</i>	<i>Batch</i>	<i>Cert.</i>
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**Volatile Organic Compounds**Volatile Organic Aromatics by SW846 8260Prepared by method SW846 5030 Water MS

71-43-2	Benzene	< 1.0		µg/l	1.0	0.3	1	SW846 8260C	26-Jan-18	30-Jan-18	GMA	1801129	
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91-20-3	Naphthalene	< 1.0		µg/l	1.0	0.4	1	"	"	"	"	"	
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Surrogate recoveries:

460-00-4	4-Bromofluorobenzene	107			70-130 %			"	"	"	"	"	
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2037-26-5	Toluene-d8	101			70-130 %			"	"	"	"	"	
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17060-07-0	1,2-Dichloroethane-d4	99			70-130 %			"	"	"	"	"	
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1868-53-7	Dibromofluoromethane	106			70-130 %			"	"	"	"	"	
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# Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b>SW846 8260C</b>										
<b>Batch 1801129 - SW846 5030 Water MS</b>										
<b>Blank (1801129-BLK1)</b>					Prepared: 26-Jan-18 Analyzed: 29-Jan-18					
Benzene	< 1.0		µg/l	1.0						
Naphthalene	< 1.0		µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	54.6		µg/l		50.0		109	70-130		
Surrogate: Toluene-d8	50.2		µg/l		50.0		100	70-130		
Surrogate: 1,2-Dichloroethane-d4	49.4		µg/l		50.0		99	70-130		
Surrogate: Dibromofluoromethane	53.2		µg/l		50.0		106	70-130		
<b>LCS (1801129-BS1)</b>					Prepared: 26-Jan-18 Analyzed: 29-Jan-18					
Benzene	20.7		µg/l		20.0		103	70-130		
Naphthalene	20.0		µg/l		20.0		100	70-130		
Surrogate: 4-Bromofluorobenzene	52.5		µg/l		50.0		105	70-130		
Surrogate: Toluene-d8	50.8		µg/l		50.0		102	70-130		
Surrogate: 1,2-Dichloroethane-d4	49.6		µg/l		50.0		99	70-130		
Surrogate: Dibromofluoromethane	53.2		µg/l		50.0		106	70-130		
<b>LCS Dup (1801129-BSD1)</b>					Prepared: 26-Jan-18 Analyzed: 29-Jan-18					
Benzene	19.4		µg/l		20.0		97	70-130	7	20
Naphthalene	18.1		µg/l		20.0		91	70-130	10	20
Surrogate: 4-Bromofluorobenzene	51.8		µg/l		50.0		104	70-130		
Surrogate: Toluene-d8	50.3		µg/l		50.0		101	70-130		
Surrogate: 1,2-Dichloroethane-d4	50.4		µg/l		50.0		101	70-130		
Surrogate: Dibromofluoromethane	52.3		µg/l		50.0		105	70-130		



# Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b><u>SW846 8270D SIM</u></b>										
<b>Batch 1801124 - SW846 3510C</b>										
<b><u>Blank (1801124-BLK1)</u></b>					<u>Prepared &amp; Analyzed: 26-Jan-18</u>					
Acenaphthene	< 0.051		µg/l	0.051						
Acenaphthylene	< 0.051		µg/l	0.051						
1-Methylnaphthalene	< 0.051		µg/l	0.051						
Anthracene	< 0.051		µg/l	0.051						
Benzo (a) anthracene	< 0.051		µg/l	0.051						
Benzo (a) pyrene	< 0.051		µg/l	0.051						
Benzo (b) fluoranthene	< 0.051		µg/l	0.051						
Benzo (g,h,i) perylene	< 0.051		µg/l	0.051						
Benzo (k) fluoranthene	< 0.051		µg/l	0.051						
Chrysene	< 0.051		µg/l	0.051						
Dibenzo (a,h) anthracene	< 0.051		µg/l	0.051						
Fluoranthene	< 0.051		µg/l	0.051						
Fluorene	< 0.051		µg/l	0.051						
Indeno (1,2,3-cd) pyrene	< 0.051		µg/l	0.051						
2-Methylnaphthalene	< 0.051		µg/l	0.051						
Naphthalene	< 0.051		µg/l	0.051						
Phenanthrene	< 0.051		µg/l	0.051						
Pyrene	< 0.051		µg/l	0.051						
<i>Surrogate: Benzo (e) pyrene-d12</i>	<i>0.687</i>		<i>µg/l</i>		<i>1.01</i>		<i>68</i>	<i>30-130</i>		
<b><u>LCS (1801124-BS1)</u></b>					<u>Prepared &amp; Analyzed: 26-Jan-18</u>					
Acenaphthene	<b>0.535</b>		µg/l	0.051	1.01		53	40-140		
Acenaphthylene	<b>0.551</b>		µg/l	0.051	1.01		55	40-140		
1-Methylnaphthalene	<b>0.539</b>		µg/l	0.051	1.01		53	40-140		
Anthracene	<b>0.724</b>		µg/l	0.051	1.01		72	40-140		
Benzo (a) anthracene	<b>0.897</b>		µg/l	0.051	1.01		89	40-140		
Benzo (a) pyrene	<b>0.716</b>		µg/l	0.051	1.01		71	40-140		
Benzo (b) fluoranthene	<b>0.752</b>		µg/l	0.051	1.01		74	40-140		
Benzo (g,h,i) perylene	<b>0.635</b>		µg/l	0.051	1.01		63	40-140		
Benzo (k) fluoranthene	<b>0.822</b>		µg/l	0.051	1.01		81	40-140		
Chrysene	<b>0.787</b>		µg/l	0.051	1.01		78	40-140		
Dibenzo (a,h) anthracene	<b>0.700</b>		µg/l	0.051	1.01		69	40-140		
Fluoranthene	<b>0.820</b>		µg/l	0.051	1.01		81	40-140		
Fluorene	<b>0.737</b>		µg/l	0.051	1.01		73	40-140		
Indeno (1,2,3-cd) pyrene	<b>0.702</b>		µg/l	0.051	1.01		70	40-140		
2-Methylnaphthalene	<b>0.659</b>		µg/l	0.051	1.01		65	40-140		
Naphthalene	<b>0.506</b>		µg/l	0.051	1.01		50	40-140		
Phenanthrene	<b>0.836</b>		µg/l	0.051	1.01		83	40-140		
Pyrene	<b>0.826</b>		µg/l	0.051	1.01		82	40-140		
<i>Surrogate: Benzo (e) pyrene-d12</i>	<i>0.899</i>		<i>µg/l</i>		<i>1.01</i>		<i>89</i>	<i>30-130</i>		
<b><u>LCS Dup (1801124-BSD1)</u></b>					<u>Prepared &amp; Analyzed: 26-Jan-18</u>					
Acenaphthene	<b>0.531</b>		µg/l	0.050	1.00		53	40-140	0.8	20
Acenaphthylene	<b>0.548</b>		µg/l	0.050	1.00		55	40-140	0.5	20
1-Methylnaphthalene	<b>0.522</b>		µg/l	0.050	1.00		52	40-140	3	20
Anthracene	<b>0.684</b>		µg/l	0.050	1.00		68	40-140	6	20
Benzo (a) anthracene	<b>0.815</b>		µg/l	0.050	1.00		82	40-140	10	20
Benzo (a) pyrene	<b>0.698</b>		µg/l	0.050	1.00		70	40-140	3	20
Benzo (b) fluoranthene	<b>0.772</b>		µg/l	0.050	1.00		77	40-140	3	20
Benzo (g,h,i) perylene	<b>0.671</b>		µg/l	0.050	1.00		67	40-140	5	20
Benzo (k) fluoranthene	<b>0.820</b>		µg/l	0.050	1.00		82	40-140	0.3	20
Chrysene	<b>0.817</b>		µg/l	0.050	1.00		82	40-140	4	20

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# Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b><u>SW846 8270D SIM</u></b>										
<b>Batch 1801124 - SW846 3510C</b>										
<b><u>LCS Dup (1801124-BSD1)</u></b>					<u>Prepared &amp; Analyzed: 26-Jan-18</u>					
Dibenzo (a,h) anthracene	<b>0.755</b>		µg/l	0.050	1.00		76	40-140	8	20
Fluoranthene	<b>0.763</b>		µg/l	0.050	1.00		76	40-140	7	20
Fluorene	<b>0.730</b>		µg/l	0.050	1.00		73	40-140	1	20
Indeno (1,2,3-cd) pyrene	<b>0.707</b>		µg/l	0.050	1.00		71	40-140	0.7	20
2-Methylnaphthalene	<b>0.588</b>		µg/l	0.050	1.00		59	40-140	11	20
Naphthalene	<b>0.509</b>		µg/l	0.050	1.00		51	40-140	0.6	20
Phenanthrene	<b>0.835</b>		µg/l	0.050	1.00		84	40-140	0.2	20
Pyrene	<b>0.836</b>		µg/l	0.050	1.00		84	40-140	1	20
<i>Surrogate: Benzo (e) pyrene-d12</i>	<i>0.850</i>		µg/l		<i>1.00</i>		<i>85</i>	<i>30-130</i>		

## Extractable Petroleum Hydrocarbons - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b><u>EPA 1664B</u></b>										
<b>Batch 1801626 - General Preparation SVOC</b>										
<b><u>Blank (1801626-BLK1)</u></b>						<u>Prepared: 05-Feb-18 Analyzed: 06-Feb-18</u>				
Oil & Grease	< 1.03		mg/l	1.03						
<b><u>LCS (1801626-BS1)</u></b>						<u>Prepared: 05-Feb-18 Analyzed: 06-Feb-18</u>				
Oil & Grease	<b>36.1</b>		mg/l	1.02	40.4		89	78-114		

## General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
<b><u>ASTM D 1293-99B</u></b>										
<b>Batch 1801116 - General Preparation</b>										
<b><u>Reference (1801116-SRM1)</u></b>					<u>Prepared &amp; Analyzed: 25-Jan-18</u>					
pH	6.05		pH Units		6.00		101	97.5-102.5		
<b><u>Reference (1801116-SRM2)</u></b>					<u>Prepared &amp; Analyzed: 25-Jan-18</u>					
pH	6.01		pH Units		6.00		100	97.5-102.5		
<b><u>SM2540D (11)</u></b>										
<b>Batch 1801137 - General Preparation</b>										
<b><u>Blank (1801137-BLK1)</u></b>					<u>Prepared: 26-Jan-18 Analyzed: 30-Jan-18</u>					
Total Suspended Solids	< 0.5		mg/l	0.5						
<b><u>LCS (1801137-BS1)</u></b>					<u>Prepared: 26-Jan-18 Analyzed: 30-Jan-18</u>					
Total Suspended Solids	92.0		mg/l	10.0	100		92	90-110		

## Notes and Definitions

dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
OG	The required Matrix Spike and Matrix Spike Duplicate (MS/MSD) for Oil & Grease method 1664B can only be analyzed when the client has submitted sufficient sample volume. An extra liter per MS/MSD is required to fulfill the method QC criteria. Please refer to Chain of Custody and QC Summary (MS/MSD) of the Laboratory Report to verify ample sample volume was submitted to fulfill the requirement.
pH	The method for pH does not stipulate a specific holding time other than to state that the samples should be analyzed as soon as possible. For aqueous samples the 40 CFR 136 specifies a holding time of 15 minutes from sampling to analysis. Therefore all aqueous pH samples not analyzed in the field are considered out of hold time at the time of sample receipt. All soil samples are analyzed as soon as possible after sample receipt.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.



## Batch Summary

### **1801116**

#### General Chemistry Parameters

1801116-SRM1  
1801116-SRM2  
SC43423-01 (Outfall 003)

### **1801124**

#### Semivolatile Organic Compounds by GCMS

1801124-BLK1  
1801124-BS1  
1801124-BSD1  
SC43423-01 (Outfall 003)

### **1801129**

#### Volatile Organic Compounds

1801129-BLK1  
1801129-BS1  
1801129-BSD1  
SC43423-01 (Outfall 003)  
SC43423-02 (TB-1 (Trip Blank))

### **1801137**

#### General Chemistry Parameters

1801137-BLK1  
1801137-BS1  
SC43423-01 (Outfall 003)

### **1801626**

#### Extractable Petroleum Hydrocarbons

1801626-BLK1  
1801626-BS1  
SC43423-01 (Outfall 003)

### **S711062**

#### Semivolatile Organic Compounds by GCMS

S711062-CAL1  
S711062-CAL2  
S711062-CAL3  
S711062-CAL4  
S711062-CAL5  
S711062-CAL6  
S711062-CAL7  
S711062-CAL8  
S711062-CAL9  
S711062-ICV1  
S711062-LCV1  
S711062-LCV2  
S711062-TUN1

### **S816062**

#### Volatile Organic Compounds

S816062-CAL1

S816062-CAL2  
S816062-CAL3  
S816062-CAL4  
S816062-CAL5  
S816062-CAL6  
S816062-CAL7  
S816062-CAL8  
S816062-CAL9  
S816062-ICV1  
S816062-LCV1  
S816062-LCV2  
S816062-TUN1

### **S816241**

#### Volatile Organic Compounds

S816241-CCV1  
S816241-TUN1

### **S816305**

#### Semivolatile Organic Compounds by GCMS

S816305-CCV1  
S816305-TUN1